

- 1 6. A method for activating platelet rich plasma comprising:
- 2 (a) isolating from whole blood an amount of platelet rich plasma;
- 3 (b) percolating gas bubbles through said platelet rich plasma to
- 4 stimulate at least one blood component situated therein;
- 5 (c) applying the stimulated platelet rich plasma to damaged tissue to
- 6 facilitate tissue repair.
- 7 7. The method of claim 6 wherein:
- 8 at step (b), said gas bubbles comprises Oxygen.
- 9 8. The method of claim 6 wherein:
- 10 at step (b), said gas bubbles comprises Nitrogen.
- 11 9. The method of claim 6 wherein:
- 12 at step (b), said bubbles comprise an inert gas.
- 13 10. The method of claim 6 wherein:
- 14 at step (b), said gas bubbles comprise a non-toxic gas.
- 15 11. A method for activating platelet poor plasma comprising:
- 16 (a) isolating from whole blood an amount of platelet poor plasma;
- 17 (b) percolating gas bubbles through said platelet poor plasma to
- 18 stimulate at least one blood component situated therein;
- 19 (c) applying the platelet poor plasma to damaged tissue to facilitate
- 20 tissue sealing, repair, or both.

- 1 12. The method of claim 11 wherein:  
2 at step (b), said gas bubbles comprises Oxygen.
- 3 13. The method of claim 11 wherein:  
4 at step (b), said gas bubbles comprises Nitrogen.
- 5 14. The method of claim 11 wherein:  
6 at step (b), said bubbles comprise an inert gas.
- 7 15. The method of claim 11 wherein:  
8 at step (b), said gas bubbles comprise a non-toxic gas.

9

10 **Abstract of the Disclosure**

11 The present disclosure contemplates the creation of an active turgid gas  
12 liquid interface as means to stimulate various blood components contained  
13 within a blood sample, thereby facilitating the formation of fibrin contained  
14 within the blood sample, thereby increasing the viscosity of the sample, with  
15 such sample being applied to damaged tissue and facilitating tissue repair or  
16 tissue sealing components.